26. The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has undergone surgery.

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27. The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has undergone burn injury.

Please amend claim 1 as follows:

A2

1. (Amended) A method of prophylaxis of a patient at risk for systemic inflammatory response syndrome and complications thereof or of treating a patient having systemic inflammatory response syndrome or complications thereof, which comprises administering to said patient a therapeutically effective amount of a selective inhibitor of cyclooxygenase-2, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has sustained at least one of trauma, burn injury, life threatening blood loss from penetrating injury, or a patient who has undergone surgery.